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COMPARATIVE CARLOAD RAIL RATES AND DISTANCES
ON FERTILIZER RAW MATERIALS TO NORTH CENTRAL AREAS

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FOREWORD

This is the second revision of a former special report showing comparative carload rail freight rates and distances on fertilizer raw materials from important producing and manufacturing points to cooperative fertilizer manufacturing and distributing areas in the North Central States. ^{1/} It has been revised pursuant to many requests for a publication to use in procuring fertilizer raw materials and in selling manufactured fertilizer to meet competitive conditions in which transportation and related costs are a contributing factor. All prior issues are now out of date and should be destroyed.

The rates shown were compiled prior to decision of the Interstate Commerce Commission in Ex Parte 196-A, effective March 7, 1956. The increased charges authorized in this and later authorized tariff publications must necessarily be added to the rates quoted to make them current.

In compiling the charges shown in this report, every possible effort has been made to include the applicable rates in legally published tariffs on file with the Interstate Commerce Commission on interstate traffic and with State regulatory agencies on intrastate traffic. However, these rates are published as a matter of general information and the Farmer Cooperative Service makes no representation that in any particular instance the rates shown are the lawfully published rates and can assume no responsibility for errors or misquotations that may appear in this report. Anyone negotiating for the purchase of raw materials or the acquiring of manufacturing and distributing facilities should carefully check the lawfully published tariffs on file with these agencies before making a final decision.

Furthermore, no attempt has been made to check combination or aggregate of intermediate rates which, in some instances, might result in lower charges than those quoted from and to some of the points indicated.

This and previous freight rate and economic reports ^{2/} released have been prepared as guides to farmer cooperatives and other farm groups in the purchase of specific commodities for use in manufacturing and distributing fertilizer. The charges shown may also be used as a basis for determining the most advantageous location in acquiring fertilizer manufacturing, processing and distributing facilities. Fertilizer manufacturing organizations, other than agricultural groups, interested in reducing transportation costs in obtaining and distributing fertilizer raw materials and in formulating fertilizer manufacturing programs should find the information shown herein equally useful. The final analysis of the various transportation cost information compiled should aid in evaluating the future role that farmers in the North Central States may occupy in the fertilizer manufacturing industry in light of present transportation, mining, procurement and distribution costs, new techniques, trends in consumption, changing economic conditions, and in the interest of National Defense.

All freight charges are subject to 3 percent Federal transportation tax.

NOTE: Appreciation is expressed to R. J. Byrns for valuable suggestions and criticisms, and to E. J. Ebert and R. S. Pettit for compiling rail freight rates and distances.

^{1/} The term, "North Central States", includes the States of Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

^{2/} Miscellaneous Report No. 194, "Economic Aspects of Transportation Affecting A Cooperative Fertilizer Program in the North Central States", - May 1951.
Special Report No. 218, "Manufacturing Costs as Reported for Cooperative Fertilizer Plants in the North Central States", - February 1951.
General Report No. 7, "Comparative Fertilizer Transportation in the North Central States", - June 1954.
General Report No. 11, "Problems of Western Cooperatives in Obtaining and Distributing Fertilizer", - December 1954.
Service Report No. 19, "Fertilizer Distribution: Methods and Costs", - May 1956.

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Table 1. - Carload rail freight rates and distances on fertilizer raw materials from imports to principal consuming areas in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1964, and are those in effect December 1, 1964, and are those in effect December 1, 1964. Part 196-A.

O R I G I N

Destination	Fertilizer compound (ammonium nitrate)								Sulphate of ammonia						Nitrogen fertilizer solution in tank cars							
	Sheffield, Alabama		Military, Kansas		Lawrence, Kansas		La Platte, Nebraska		Gary, Indiana		North Little Rock, Ark.		E. St. Louis, Illinois		El Dorado, Arkansas		Military, Kansas		La Platte, Nebraska		Tuscola, Illinois	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
<u>ILLINOIS</u>																						
Chicago.....	585	10.29 C	587	10.30 C	485	9.66 C	511	9.82 C	Swg.	Diet.	605	10.60 C	274	5.60 B	726	.67	587	11.04	511	9.89	149	.29
E. St. Louis.....	370	8.55 C	339	8.10 C	311	6.27 C	437	9.11 C	273	.268	342	8.10 C	Swg.	NT	470	.52	339	9.20	429	9.66	133	.31
Peoria.....	507	9.78 C	441	9.30 C	361	8.45 C	398	8.74 C	154	.268	486	9.68 C	152	3.81 C	-	-	-	NT	-	NT	-	-
Rockford.....	604	10.60 C	538	9.98 C	447	9.30 C	444	9.30 C	128	.230	612	10.60 C	277	6.56 C	-	-	-	NT	-	NT	-	-
Rock Island.....	607	10.45 C	444	9.30 C	351	8.10 C	340	7.77 C	193	.29D	572	10.30 C	230	5.23 C	-	-	-	NT	-	NT	-	-
Tuscola.....	443	9.11 C	455	9.49 C	409	9.11 C	489	9.66 C	133	.268	467	9.49 C	134	3.81 C	601	.59	455	9.89	498	9.89	-	-
		NT		NT		NT		NT				NT		NT				NT		NT		
<u>INDIANA</u>																						
Evansville.....	286	6.56 C	503	.54	474	.52	600	.59	259	6.55 C	394	.47 C	166	3.89 C	514	.63	503	.54	600	.47	152	.29
Fort Wayne.....	525	9.78 C	676	.62	602	.59	636	.61	99	3.68 C	651	.58 C	339	7.59 C	-	-	-	NT	-	NT	-	-
Hartsville.....	561	10.29 C	580	10.30 C	478	9.66 C	480	9.82 C	70	1.70 C	588	10.60 C	244	5.60 B	709	.67	580	.59	511	9.89	139	.29
Indianapolis.....	427	9.11 C	577	.58	528	.55	601	.59	132	4.29 C	533	.54 C	238	5.69 C	654	.68	577	.58	600	.47	133	.28
Terre Haute.....	375	8.73 C	514	.54	469	.52	565	.58	151	4.09 C	467	.51 C	169	3.89 C	-	-	-	NT	-	NT	-	-
		NT								NT				NT								

See page 21 for explanation of symbols.

Table 1. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A. (continued)

O R I G I N

	Fertilizer compound (ammonium nitrate)										Sulphate of ammonia						Nitrogen fertilizer solution in tank cars									
Destination	Sheffield, Alabama		Hammond, Indiana		Military, Kansas		Lawrenos, Kansas		La Platte, Nebraska		Cary, Indiana		North Little Rock, Ark.		E. St. Louis, Illinoie		El Dorado, Arkansas		Military, Kansas		Hammond, Indiana		La Platte, Nebraska		Tuscola, Illinois	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
<u>IOWA</u>																										
Burlington.....	569	10.29 C NT	211	4.77 C NT	369	8.45 C NT	272	6.56 C NT	305	7.45 C NT	221	4.77 C NT	533	9.97 C NT	193	4.36 C NT	-	-	-	-	-	-	-	-	-	-
Cedar Rapids.....	667	.59	235	5.23 C NT	442	9.11 C NT	332	7.77 C NT	277	6.84 C NT	245	5.23 C NT	630	10.76 C NT	290	6.84 C NT	-	-	-	-	-	-	-	-	-	-
Des Moines.....	719	.60	354	8.10 C NT	371	8.10 C NT	244	5.23 C NT	164	4.17 C NT	364	8.10 C NT	670	11.06 C NT	327	7.77 C NT	798	.70	377	.49	354	.45	159	.32	361 204	.45
Eagle Grove.....	805	.63	367	8.45 C NT	456	9.11 C NT	324	7.45 C NT	176	3.99 C NT	377	8.45 NT	773	11.63 C NT	417	8.92 C NT	900	.75	456	.56	367	.45	170	.33	428	.49
Mason City.....	779	.63	353	7.77 C NT	478	9.49 C NT	367	8.10 C NT	329	5.46 C NT	363	7.77 C NT	755	11.63 C NT	413	8.92 C NT	-	-	-	-	-	-	-	-	-	-
Pocahontas.....	874	.65	379	8.92 C NT	473	9.30 C NT	310	7.77 C NT	171	3.99 C NT	389	8.92 C NT	774	11.76 C NT	450	9.11 C NT	-	-	-	-	-	-	-	-	-	-

See page 21 for explanation of symbols.

Table 1. - Carload rail freight rates and distances of fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 195-A. (continued)

O R I G I N														
Destination	Fertilizer compound (ammonium citrate)						Urea		Sulphate of ammonia					
	Sheffield, Alabama		Military, Kansas		Lawrence, Kansas		South Point, Ohio		Cary, Indiana		North Little Rock, Ark.		E. St. Louis, Illinois	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
<u>KANSAS</u>														
Colby.....	929	.75	424	9.11 C	347	8.10 C	1140	1.79	873	12.13 C	724	11.49 C	660	11.06 C
Cocordia.....	765	.67	257	5.98 C	150	3.62 C	943	1.50	676	10.76 C	566	10.30 C	464	9.49 C
Carden City.....	896	.74	375	8.45 C	348	8.10 C	1153	1.79	870	12.36 C	652	10.91 C	648	10.91 C
Salina	726	.67	221	5.23 C	144	3.54 C	937	1.50	670	10.76 C	527	9.98 C	456	9.30 C
Wichita.....	689	.67	162	3.99 C	174	4.17 C	939	1.54	687	10.91 C	445	9.30 C	459	9.30 C
				NT		NT				NT		NT		NT

See page 21 for explanation of symbols.

Table 1. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A. (continued)

O R I G I N

Destination	Fertilizer compound (ammonium nitrate)						Urea		Sulphate of ammonia						Nitrogen fertilizer solution in tank cars					
	Sheffield, Alabama		Military, Kansas		Lawrence, Kansas		South Point, Ohio		Cary, Indiana		North Little Rock, Ark.		E. St. Louis, Illinois		El Dorado, Arkansas		Military, Kansas		Tuscola, Illinois	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
<u>MICHIGAN</u>																				
Grand Rapids.....	598	10.90 C	771	.74 C	644	.69 C	416	.79 D	129	4.09 C	757	.66 C	432	9.20 D	-	-	-	-	-	-
Lansing.....	656	10.90 C	783	.75 C	667	.70 C	364	.75 D	150	4.49 C	769	.66 C	441	9.43 D	-	-	-	-	-	-
Harger (Saginaw).....	722	11.39 C	848	.78 C	732	.72 C	393	.77 D	216	6.17 C	834	.68 C	509	9.66 D	955	.72	848	.68	358	.45
Traverse City.....	735	11.84 C	912	.81 C	740	.74 C	549	.90 D	270	6.65 C	905	.70 C	568	10.12 D	1026	.74	912	.70	415	.48
<u>MINNESOTA</u>																				
Mankato.....	868	.66 C	565	10.30 C	435	9.11 C	818	1.16 D	81	2.70 C	231	5.23 C	415	9.11 C	-	-	-	-	-	-
Moorhead.....	1129	.74 C	804	12.13 C	675	11.06 C	1037	1.32 D	241	5.46 C	251	5.98 C	631	10.91 C	1230	.91	804	.72	721	.67
St. Paul.....	893	.67 C	619	10.61	489	9.66 C	821	1.16 D	Swg.	Dist.	150	3.81 C	394	8.92 C	993	.81	619	.62	485	.53
Wadena.....	1045	.71 C	765	11.76 C	636	10.76 C	953	1.28 D	168	3.81 C	159	3.81 C	552	10.14	-	-	-	-	-	-
Winona.....	802	.61 C	612	10.61 C	482	9.66 C	693	1.05 D	94	3.01 C	247	5.46 C	287	7.13 C	929	.78	612	.63	376	.46

See page 21 for explanation of symbols.

Table 1. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A. (continued)

O R I G I N

Destination	Fertilizer compound (ammonium nitrate)												Sulphate of ammonia				Nitrogen fertilizer solution in tank cars							
	Sheffield, Alabama		Military, Kansas		El Dorado, Arkansas		Yazoo City, Mississippi		Lawrence, Kansas		La Platte, Nebraska		Cary, Indiana		North Little Rock, Ark.		E. St. Louis, Illinois		El Dorado, Arkansas		Military, Kansas		La Platte, Nebraska	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
<u>MISSOURI</u>																								
Cape Girardeau.....	276	.44 C	416	.41 C	364	8.45 C	301	.51 C	424	.49 C	620	.49 C	342	8.45 C	244	5.69 C	102	2.94 C	-	-	-	-	-	-
Kansas City.....	612	.59 C	164	3.62 C	591	10.47 C	625	.63 C	35	2.19 C	214	4.54 C	487	9.30 C	462	9.49 C	275	6.56 C	591	.68	164	.33	214	.32
Macon.....	547	.55 C	258	5.23 C	637	10.61 C	595	.59 C	173	3.99 C	299	6.84 C	353	8.10 C	510	9.66 C	170	3.91	637	.70	258	.41	299	.39
Maryland Heights.....	400	8.54 C	363	8.10 C	480	9.49 C	452	9.59 C	286	7.45 C	470	9.11 C	303	4.60 B	352	8.10 C	Swg.	Dist.	480	.61	363	9.20	470	9.66
New Florence.....	547	.53 C	219	7.13 C	545	9.98 C	505	.58 C	233	5.69 C	392	8.45 C	336	8.10 C	418	8.92 C	80	2.59 C	545	.67	291	.45	392	.47
Springfield.....	429	.55 C	97	.24 C	442	9.30 C	432	.55 C	222	.32 C	410	.41 C	516	.55	315	7.45 C	243	.38	442	.60	97	.29	410	.49
St. Joseph.....	677	.60 C	216	4.54	649	10.91 C	699	.64 C	92	2.53 C	145	3.46 C	485	9.30 C	520	9.82 C	303	7.45 C	649	.71	216	.37	145	.29
				NT		NT		NT		NT		NT		NT		NT		NT		NT				
<u>NEBRASKA</u>																								
Beatrice.....	772	.66 C	308	7.13 C	730	11.49 C	795	.69 C	156	3.54 C	92	2.47 C	768	10.30 C	603	10.61 C	433	9.11 C	-	-	-	-	-	-
Kearney.....	906	.70 C	418	8.74 C	823	12.13 C	919	.74 C	253	5.98 C	187	3.91 C	863	10.91 C	694	11.21	569	10.30 C	-	-	-	-	-	-
Omaha.....	794	.64 C	344	7.77 C	780	11.76 C	824	.68 C	201	3.99 C	15	2.13 C	503	9.66 C	646	10.91 C	417	8.92 C	780	.76	344	.46	15	.14
Scotts Bluff.....	1162	.82 C	674	10.91 C	1163	14.20 C	1175	.84 C	509	9.98 C	443	9.11 C	1119	12.13 C	949	13.17 C	859	12.13 C	-	-	-	-	-	-
				NT		NT		NT		NT		NT		NT		NT		NT		NT				
<u>NORTH DAKOTA</u>																								
Bismarck.....	1286	.83 C	852	12.59 C	1296	15.58 C	1352	.86 C	700	11.49 C	562	9.98 C	873	12.36 C	434	9.11 C	916	13.00 C	-	-	-	-	-	-
Devils Lake.....	1260	.79 C	934	12.13 C	1372	15.93 C	1349	.83 C	782	12.13 C	626	10.61 C	823	11.90 C	384	8.45 C	904	13.00 C	-	-	-	-	-	-
Minot.....	1362	.84 C	955	13.34 C	1399	16.04 C	1424	.87 C	803	12.36 C	647	10.76 C	913	12.59 C	474	9.49 C	989	13.51 C	1399	1.00	955	.82	647	.69
				NT		NT		NT		NT		NT		NT		NT		NT		NT				

See page 21 for explanation of symbols.

Table 1. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 1196-A. (continued)

O R I G I N

Destination	Fertilizer compound (ammonium nitrate)								Urea		Sulphate of ammonia						Nitrogen fertilizer solution in tank cars					
	Sheffield, Alabama		Military, Kansas		Lawrence, Kansas		La Platte, Nebraska		South Point, Ohio		Cary, Indiana		North Little Rock, Ark.		E. St. Louis, Illinois		El Dorado, Arkansas		Military, Kansas		Hammond, Indiana	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
<u>OHIO</u>																						
Alliance.....	683	11.05 C NT	874	.75	826	.72	862	.74	246	.37 D	324	8.51 D NT	838	.68 C	551	10.12 D NT	-	-	-	-	-	-
Dayton.....	482	9.49 C NT	685	.64	637	.61	701	.66	154	.46 D	201	5.69 C NT	638	.61 C	347	8.28 D NT	759	.71	685	.64	250	.39
Fostoria.....	580	10.45 C NT	761	.68	701	.66	715	.67	218	.37 D	197	5.69 C NT	713	.64 C	423	9.20 D NT	843	.74	761	.68	236	.39
Maumee.....	620	10.60 C NT	758	.68	681	.64	709	.67	263	.37 D	173	5.29 C NT	729	.66	422	9.20 D NT	859	.75	758	.68	222	.38
Woodlawn Cincinnati.....	427	9.11 C NT	675	.63	637	.61	706	.66	143	.46 D	234	6.65 C NT	599	.60	337	7.59 D NT	711	.70	675	.53	283	.43
Mt. Cilead.....	574	10.29 C NT	-	.68	733	.66	723	.68	227	.37 D	-	5.69 C NT	-	.66	-	9.20 D NT	853	.75	750	.68	282	.43
<u>SOUTH DAKOTA</u>																						
Aberdeen.....	1106	.72	690	11.21 C NT	561	10.30 C NT	375	8.45 C NT	1087	1.17 D	711	11.06 C NT	1004	13.69 NT	736	11.49 C NT	-	-	-	-	-	-
Huron.....	1043	.71	612	10.61 C NT	482	9.66 C NT	296	7.13 C NT	1038	1.14 D	675	10.76 C NT	935	13.17 C NT	673	11.06 C NT	1064	.97	612	.64	635	.64
Sioux Falls.....	938	.68	514	9.82 C NT	384	8.74 C NT	198	4.54 C NT	931	1.07 D	568	9.98 C NT	828	12.36 C NT	567	10.30 C NT	-	-	-	-	-	-
<u>WISCONSIN</u>																						
Antigo.....	832	.63 D	770	11.90 C NT	709	11.35 C NT	600	10.47 C NT	670	1.05 D	263	7.45 C NT	848	12.82 C NT	518	9.98 C NT	968	.79	770	.64	252	.39
Green Bay.....	768	.62 D	719	11.35 NT	628	10.76 C NT	587	10.47 C NT	603	.98 D	246	4.77 C NT	796	11.90 C NT	458	9.30 C NT	917	.78	719	.61	220	.33
Milwaukee.....	655	10.90 C NT	629	10.76 C NT	538	9.98 C NT	527	9.98 C NT	495	.86 D	134	2.70 C NT	686	11.21 C NT	368	8.10 C NT	-	-	-	-	-	-
Prairie du Chien.....	739	.59 D	597	10.14 C NT	431	9.11 C NT	358	8.10 C NT	631	.99 D	225	5.46 C NT	716	11.35 C NT	369	8.45 C NT	714	.75	597	.52	216	.36
Superior.....	1019	.68 D	774	11.63 C NT	630	10.76 C NT	514	9.82 C NT	854	1.20 D	498	9.49 C NT	1001	13.51 C NT	656	10.91 C NT	-	-	-	-	-	-
Whitewater.....	681	10.75 C NT	690	10.47 C NT	493	9.66 C NT	479	9.49 C NT	516	.86 D	160	2.70 C NT	666	11.06 C NT	318	7.77 C NT	-	-	-	-	-	-

See page 21 for explanation of symbols.

Table 2. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A.

O R I G I N

Destination	Sulphuric acid (in tank cars)						Ground phosphate rock				Anhydrous ammonia in tank cars											
	Chicago, Illinois		E. St. Louis, Illinois		Gary, Indiana		Bartow, Florida		Montpelier, Idaho		El Dorado, Arkansas		Military, Kansas		Lawrence, Kansas		La Platte, Nebraska		Etter, Texas		Hammond, Indiana	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
<u>ILLINOIS</u>																						
Chicago.....	Swg.	Dist.	277	.32	Swg.	Dist.	1207	10.21 A	1425	10.94 A	726	20.00	587	17.71	473	15.64	511	16.40	1040	23.40	Swg.	Dist.
E. St. Louis.....	274	.32	Swg.	Dist.	273	.32	1034	9.60 A	1344	10.07 A	470	15.60	339	13.60	312	12.80	437	15.00	772	20.80	276	.60
Peoria.....	145	.25	155	.26	154	.25	1168	10.21 A	1330	10.83 A	-	-	-	-	-	-	-	-	-	-	-	-
Rockford.....	83	.26	280	.32	128	.26	1269	10.72 A	1362	10.94 A	-	-	-	-	-	-	-	-	-	-	-	-
Rock Island.....	161	.26	233	.26	193	.26	1259	10.52 A	1282	10.07 A	-	-	-	-	-	-	-	-	-	-	-	-
Tuscola.....	-	-	-	-	-	-	1084	10.21 A	1420	10.94 A	611	17.80	471	15.64	410	14.49	489	15.80	913	22.60	127	.44
								GT		GT		NT		NT		NT		NT		NT		
<u>INDIANA</u>																						
Evansville.....	284	6.21	-	-	276	6.21	922	9.31 A	1508	15.67 A	514	16.40	503	16.40	521	15.60	600	17.80	936	1.16	283	.62
Ft. Wayne.....	148	5.18	339	.47	140	5.18	1114	9.91 A	1575	16.31 A	-	-	-	-	-	-	-	-	-	-	-	-
Hartsdale.....	Swg.	Dist.	244	.32	Swg.	Dist.	1177	10.21 A	1459	10.94 A	709	20.00	580	17.71	480	14.64	487	16.40	751	23.40	Swg.	Dist.
Indianapolis.....	181	6.21	238	.43	173	6.21	1041	9.60 A	1532	16.76 A	654	18.60	577	17.20	528	16.60	600	17.80	748	1.20	181	.51
Terre Haute.....	185	5.83	169	.38	177	5.83	1032	9.60 A	1474	15.67 A	-	-	-	-	-	-	-	-	-	-	-	-
		NT				NT		GT		GT		NT		NT		NT		NT		NT		

See page 21 for explanation of symbols.

Table 2. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A. (continued)

Destination	O R I G I N																			
	Sulphuric acid (in tank cars)						Ground phosphate rock				Anhydrous ammonia in tank cars									
	Chicago, Illinois		St. Louis, Missouri		Dubuque, Iowa		Bartow, Florida		Montpelier, Idaho		El Dorado, Arkansas		Military, Kansas		Lawrence, Kansas		La Platte, Nebraska		Etter, Texas	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
IOWA																				
Burlington.....	206	.26	193	.26	169	.26	1226	10.81 A GT	1247	10.07 A GT	-	-	-	-	-	-	-	-	-	-
Cedar Rapids.....	219	.44	287	.44	89	.16	1323	10.63 A GT	1205	10.15 A GT	-	-	-	-	-	-	-	-	-	-
Des Moines.....	351	.44	330	.44	199	.26	1362	10.79 A GT	1105	8.86 A GT	798	21.20 NT	371	13.60 NT	249	11.00 NT	159	9.80 NT	716	.95
Eagle Grove.....	361	.44	414	.44	189	.45	1451	11.18 A GT	1115	8.86 A GT	900	22.60 NT	456	15.00 NT	334	12.80 NT	170	9.60 NT	804	1.02
Mason City.....	342	.44	410	.44	165	.26	1444	11.18 A GT	1168	10.07 A GT	-	-	-	-	-	-	-	-	-	-
Pocahontas.....	389	.67	446	.67	-	-	1480	11.35 A GT	1075	8.86 A GT	-	-	-	-	-	-	-	-	-	-

See page 21 for explanation of symbols.

Table 2. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A. (continued)

O R I G I N

Destination	Sulpburic acid (in tank cars)						Ground phospbate rock			
	Chicago, Illinois		St. Louis, Missouri		Dubuque, Iowa		Bartow, Florida		Montpelier, Idaho	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
KANSAS										
Colby.....	-	1/	-	1/	-	1/	1580	13.20	780	9.46 A
Conoordia.....	-	1/	-	1/	-	1/	1413	NT 12.00	902	GT 9.46 A
Garden City.....	-	1/	-	1/	-	1/	1546	NT 13.00	877	GT 9.46 A
Salima.....	-	1/	-	1/	-	1/	1376	NT 12.00	986	GT 9.46 A
Wichita.....	-	1/	-	1/	-	1/	1338	NT 11.80 NT	1058	GT 9.46 A GT

See page 21 for explanation of symbols.

Table 2. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A. (continued)

Destination	O R I G I N																			
	Sulphuric acid (in tank cars)				Ground phosphate rock				Anhydrous ammonia in tank cars											
	Detroit, Michigan		Kalamazoo, Michigan		Bartow, Florida		Montpelier, Idaho		El Dorado, Arkansas		Military, Kansas		Lawrence, Kansas		La platte, Nebraska		Hammond, Indiana		Etter, Texas	
	Milss	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Milss	Rate	Miles	Rate	Miles	Rate	Miles	Rate
<u>MICHIGAN</u>																				
Grand Rapids.....	-	1/	-	1/	1254	10.98 A	1603	16.76 A	-	-	-	-	-	-	-	-	-	-	-	-
Lansing.....	-	1/	-	1/	1238	10.42 A	1629	16.99 A	-	-	-	-	-	-	-	-	-	-	-	-
Harger (Saginaw).....	97	.29	133	.35	1289	10.61 A	1704	17.89 A	955	1.16	848	1.07	732	1.00	748	1.02	265	.60	1281	1.35
Traverse City.....	-	1/	-	1/	1395	11.60 A	1744	18.11 A	1026	1.21	912	1.09	740	1.00	780	1.00	287	.62	1345	1.35
<u>MINNESOTA</u>																				
Mankato.....	415	.56	503	.56	1537	11.72 A	1185	10.07 A	-	-	-	-	-	-	-	-	-	-	-	-
Moorhead.....	631	.78	762	.85	1796	13.20 B	1240	15.44 A	1230	27.40	804	21.40	675	19.00	489	15.80	641	.93	1198	22.00
St. Paul.....	394	.49	520	.54	1558	11.72 A	1277	10.07 A	993	24.00	619	18.00	489	15.80	373	13.80	405	.72	985	23.20
Wadena.....	-	1/	-	1/	1718	12.80 B	1330	14.76 A	-	-	-	-	-	-	-	-	-	-	-	-
Winona.....	287	.79	460	.54	1476	11.35 A	1284	10.07 A	929	22.80	612	18.00	482	15.80	373	13.80	297	.62	979	23.20

See page 21 for explanation of symbols.

Table 2. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A. (continued)

O R I G I N

Destination	Sulphuric acid (in tank cars)				Ground phosphate rock				Anhydrous ammonia in tank cars									
	Bartlesville, Oklahoma		E. St. Louis, Illinois		Bartow, Florida		Montpelier, Idaho		El Dorado, Arkansas		Military, Kansas		Lawrence, Kansas		La Platte, Nebraska		Etter, Texas	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
<u>MISSOURI</u>																		
Gape Girardeau.....	-	-	-	-	941	9.46 A	1470	11.29 A	-	-	-	-	-	-	-	-	-	-
Kansas City.....	194	.22 A	275	.41 B	1261	10.44 A	1067	9.46 A	591	17.80	164	9.20	35	6.00	214	10.40	507	16.40
Macon.....	318	.55 B	170	.25 A	1206	10.26 A	1174	8.86 A	637	18.00	258	11.00	173	9.60	299	12.40	680	18.40
Maryland Heights.....	397	.56 B	Swg.	Dist.	1064	9.60 A	1369	10.07 A	480	15.60	363	13.60	286	12.80	470	15.00	796	20.80
New Florence.....	349	.57 B	80	.32	1221	9.89 A	1256	8.86 A	545	16.50	291	12.40	233	11.60	392	13.80	852	19.80
Springfield.....	179	5.59 B	243	5.81	1078	9.97 A	1393	10.15 A	442	15.20	97	7.80	222	10.80	410	14.20	562	17.20
St. Joseph.....	247	.36 B	303	.41 B	1319	10.63 A	1090	9.46 A	649	18.60	216	10.40	92	7.00	145	9.00	455	16.60
		.28 A		.31 A		GT		GT		NT		NT		NT		NT		NT
<u>NEBRASKA</u>																		
Beatrice.....	-	1/	-	1/	1421	11.80 B	912	9.46 A	-	-	-	-	-	-	-	-	-	-
Kearney.....	-	1/	-	1/	1541	12.40 B	763	9.46 A	-	-	-	-	-	-	-	-	-	-
Omaha.....	372	.53	417	.56	1443	11.18 A	960	9.46 A	780	20.80	344	13.20	201	10.60	15	5.80	611	18.00
Scotts Bluff.....	-	1/	-	1/	1797	14.00 B	627	9.46 A	1163	22.00	674	18.60	483	16.40	442	14.40	819	18.00
						NT		GT		NT		NT		NT		NT		NT
<u>NORTH DAKOTA</u>																		
Bismarck.....	-	1/	-	1/	1946	14.00 B	1034	14.72 A	-	-	-	-	-	-	-	-	-	-
Devils Lake.....	-	1/	-	1/	1936	13.80 B	1204	15.72 A	-	-	-	-	-	-	-	-	-	-
Minot.....	-	1/	-	1/	2028	14.40 B	1086	15.92 A	1399	29.40	955	23.40	803	21.80	647	18.40	1306	27.00
						NT		NT		NT		NT		NT		NT		NT

See page 21 for explanation of symbols.

Table 2. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A. (continued)

O R I G I N

	Sulphuric acid (in tank cars)				Ground phosphate rock				Anhydrous ammonia in tank cars									
Destination	Gary, Indiana		Chicago, Illinois		Bartow, Florida		Montpelier, Idaho		El Dorado, Arkansas		Military, Kansas		Lawrence, Kansas		La Platte, Nebraska		Hammond, Indiana	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
<u>OHIO</u>																		
Alliance.....	324	.55	372	.55	1213	10.42 A GT	1792	18.79 A GT	-	-	-	-	-	-	-	-	-	-
Dayton.....	201	5.40 NT	280	5.40 NT	1011	9.50 A GT	1643	17.66 A GT	759	1.04	685	.97	637	.92	701	.99	250	.58
Fostoria.....	197	.48	247	.48	1119	10.11 A GT	1658	17.66 A GT	843	1.09	761	1.02	701	.99	715	1.00	249	.58
Maumee.....	173	.43	225	.43	1163	10.11 A GT	1647	17.43 A GT	859	1.10	758	1.02	681	.97	709	1.00	231	.56
Woodlawn (Cincinnati).....	234	6.21 NT	283	6.21 NT	958	9.49 A GT	1643	17.89 A GT	711	.99	675	.95	637	.92	706	.99	283	.62
Mt. Gilead.....	239	.48	288	.48	1066	9.60 A GT	1685	17.66 A GT	856	1.09	750	1.02	733	.99	723	1.02	260	.58
																	<u>Etter, Texas</u>	
<u>SOUTH DAKOTA</u>																		
Aberdeen.....	-	<u>1/</u>	-	<u>1/</u>	1767	13.00 B NT	1178	10.32 A NT	-	-	-	-	-	-	-	-	-	-
Buron.....	-	<u>1/</u>	-	<u>1/</u>	1706	12.60 B NT	1096	10.32 A NT	1064	24.80 NT	612	18.00	460	15.80 NT	321	12.40 NT	970	22.00 NT
Sioux Falls.....	-	<u>1/</u>	-	<u>1/</u>	1600	12.00 B NT	1092	10.32 A NT	-	-	-	-	-	-	-	-	-	-

See page 21 for explanation of symbols.

Table 2. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A. (continued)

Destination	O R I G I N																			
	Sulphuric acid (in tank cars)						Ground phosphate rock				Anhydrous ammonia in tank cars									
	Toledo, Ohio		Gary, Indiana		Dubuque, Iowa		Bartow, Florida		Montpelier, Idaho		El Dorado, Arkansas		Military, Kansas		Lawrence, Kansas		La Platte, Nebraska		Hammond, Indiana	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
WISCONSIN																				
Antigo.....	-	-	-	-	-	-	1470	11.80 B NT	1592	10.41 A NT	968	24.00 NT	770	21.20 NT	782	19.80 NT	596	17.80 NT	252	.64
Green Bay.....	429	.58	246	5.50 NT	-	-	1406	11.04 A GT	1484	10.41 A NT	917	22.80 NT	719	19.80 NT	774	18.40 NT	588	17.80 NT	220	.53
Milwaukee.....	-	1/	-	1/	-	-	1293	11.03 A GT	1448	10.94 A GT	-	-	-	-	-	-	-	-	-	-
Prairie du Chien.....	461	.63	225	.37	56	.16	1382	10.57 A GT	1262	10.07 A GT	714	21.80 NT	597	17.00 NT	529	15.00 NT	343	13.60 NT	216	.56
Superior.....	-	1/	-	1/	-	1/	1660	12.20 B NT	1411	10.94 A GT	-	-	-	-	-	-	-	-	-	-
Whitewater.....	342	.53	160	.31	-	-	1285	11.03 A GT	1398	10.94 A GT	-	-	-	-	-	-	-	-	-	-

See page 21 for explanation of symbols.

Table 3. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A.

O R I G I N

Destination	Phosphate (acidulated, not ammoniated)												Potash (potassium) fertilizer				Nitrate of soda					
	Montpelier, Idaho		Sheffield, Alabama		Houston, Texas		Chicago, Illinois		E. St. Louis, Illinois		E. Tampa, Florida		Carlsbad, New Mexico		Trona, California		New Orleans, Louisiana (Import)		Mobile, Alabama (Import)		Baltimore, Maryland (Domestic)	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
ILLINOIS																						
Chicago.....	1425	14.20 B NT	588	10.29 C NT	1040	13.86 C NT	Swg.	Dist.	274	4.60 A NT	1202	13.86C NT	1248	13.43 B NT	2132	15.61 B NT	920	.62 C NT	864	.62 C NT	767	.55 B NT
E. St. Louis.....	1344	12.60 B NT	370	8.55 C NT	778	11.76 C NT	Swg.	Dist.	1029	12.97C NT	1073	12.02 B NT	1960	14.55 B NT	690	10.91 C NT	644	10.91 C NT	888	.60 B NT		
Peoria.....	1330	14.20 B NT	507	9.78 C NT	921	13.00 C NT	145	3.60 A NT	152	4.60 A NT	1163	13.60C NT	1135	13.43 B NT	2018	15.61 B NT	830	.62 C NT	770	.62 C NT	849	.58 B NT
Rockford.....	1362	14.20 B NT	604	10.60 C NT	1046	13.86 C NT	83	3.20 A NT	277	4.60 A NT	1264	14.11C NT	1219	13.43 B NT	2067	15.61 B NT	932	.64 C NT	943	.64 C NT	851	.64 C NT
Rock Island.....	1282	14.20 B NT	607	10.45 C NT	1006	13.69 C NT	161	4.00 A NT	230	7.40 C NT	1254	14.11C NT	1128	12.12 B NT	2007	15.61 B NT	914	.66 C NT	865	.66 C NT	918	.66 C NT
Tuscola.....	1448	14.20 B NT	443	9.11 C NT	910	13.00 C NT	148	4.60 A NT	134	4.60 A NT	1034	13.10C NT	1206	13.43 B NT	2093	15.61 B NT	772	.62 C Dom.	716	.62 C NT	767	.55 B NT
INDIANA																						
Evansville.....	1508	16.40 B NT	286	6.56 C NT	828	14.40 D NT	284	6.65 C NT	166	3.89 C NT	919	12.34C NT	1267	14.63 B NT	2143	16.81 B NT	683	.59 C NT	621	.59 C NT	787	.56 B NT
Pt. Wayne.....	1575	16.40 B NT	525	9.78 C NT	1082	16.80 D NT	148	3.68 C NT	339	7.59 C NT	1109	13.35C NT	1372	14.63 B NT	2256	16.81 B NT	943	.62 C NT	858	.62 C NT	621	.48 B NT
Hartsdale.....	1459	14.20 B NT	561	10.29 C NT	1020	15.66 C NT	30	1.77 A NT	244	4.60 A NT	1172	13.86C NT	1218	13.43 B NT	2102	15.61 B NT	890	.62 C NT	834	.62 C NT	728	.55 B NT
Indianapolis.....	1532	16.40 B NT	427	9.11 C NT	963	15.60 D NT	181	4.29 C NT	238	5.69 C NT	1036	12.97C NT	1302	14.63 B NT	2184	16.81 B NT	825	.59 C NT	760	.59 C NT	650	.49 B NT
Terre Haute.....	1474	16.40 B NT	375	8.73 C NT	902	15.20 D NT	185	4.09 C NT	169	3.89 C NT	1027	12.97C NT	1230	14.63 B NT	2112	16.81 B NT	801	.59 C NT	729	.59 C NT	713	.53 B NT

See page 21 for explanation of symbols.

Table 3. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A. (continued)

O R I G I N

Destination	Phosphate (acidulated, not ammoniated)												Potash (potassium) fertilizer				Nitrate of soda			
	Montpelier, Idaho		Sheffield, Alabama		Houston, Texas		Chicago, Illinois		E. St. Louis, Illinois		E. Tampa, Florida		Carlsbad, New Mexico		Trona, California		New Orleans, Louisiana (Import)		Mobile, Alabama (Import)	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
<u>IOWA</u>																				
Burlington.....	1247	12.60 B NT	569	10.29 C NT	948	13.17 C NT	206	4.14 A NT	193	3.45 A NT	1205	13.86 C NT	1049	12.12 B NT	1930	14.68 B NT	877	.66	832	.66
Cedar Rapids.....	1205	12.80 B NT	667	10.81 C NT	1019	12.72 C NT	219	4.60 A NT	290	5.06 A NT	1318	14.23 C NT	1109	12.72 B NT	2149	15.61 B NT	973	.67	929	.67
Des Moines.....	1105	12.80 B NT	719	11.22 A NT	935	12.35 A NT	351	5.75 A NT	327	5.75 A NT	1357	14.48 A NT	996	12.12 B NT	1865	15.61 B NT	1015	.67	968	.67
Eagle Grove	1115	12.80 B NT	805	11.59 A NT	1036	12.72 A NT	361	8.45 C NT	417	8.92 C NT	1442	14.86 A NT	1082	12.12 B NT	1951	14.68 B NT	1103	.67	1057	.67
Macon City.....	1168	12.80 B NT	780	11.59 A NT	1058	12.97 A NT	342	5.75 A NT	413	5.98 A NT	1441	14.86 A NT	1118	12.12 B NT	2004	15.61 B NT	1102	.67	1056	.67
Pocahontas.....	1075	12.80 B NT	874	11.72 A NT	1038	12.85 A NT	389	6.21 A NT	450	6.21 A NT	1478	14.98 A NT	1074	12.12 B NT	1950	14.68 B NT	1119	.75	1093	.75
<u>KANSAS</u>																				
Colby.....	780	12.60 B NT	929	12.35 C NT	898	12.10 C NT	900	12.13 C NT	650	11.06 C NT	1615	15.48 C NT	859	12.02 B NT	1512	14.55 B NT	1121	.87 D	1166	.87 D
Concordia.....	902	12.60 B NT	765	11.47 C NT	782	11.59 C NT	615	10.76 C NT	464	9.49 C NT	1497	14.73 C NT	764	12.02 B NT	1608	14.55 B NT	963	.81 D	1008	.81 D
Carden City.....	877	12.60 B NT	896	12.22 C NT	799	11.59 C NT	819	12.36 C NT	648	10.91 C NT	1557	15.35 C NT	598	12.02 B NT	1257	14.55 B NT	1028	.84 D	1094	.86 D
Salina.....	986	12.60 B NT	726	11.28 C NT	713	11.22 C NT	697	10.76 C NT	456	9.30 C NT	1464	14.48 C NT	686	12.02 B NT	1530	14.55 B NT	924	.79 D	965	.81 D
Wichita.....	1058	12.60 B NT	689	11.10 A NT	627	10.12 A NT	579	10.91 C NT	459	6.21 A NT	1333	14.35 A NT	612	12.02 B NT	1515	14.55 B NT	841	.66	924	.66

See page 21 for explanation of symbols.

Table 3. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A. (continued)

O R I C I N N

Destination	Phosphate (acidulated, not ammoniated)												Potash (potassium) fertilizer				Nitrate of soda					
	Montpelier, Idaho		Sheffield, Alabama		Houston, Texas		Chicago, Illinois		E. St. Louis, Illinois		E. Tampa, Florida		Carlsbad, New Mexico		Trona, California		New Orleans, Louisiana (Import)		Mobile, Alabama (Import)		Baltimore, Maryland (Domestic)	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
<u>MICHIGAN</u>																						
Grand Rapids.....	1603	16.40 B NT	598	10.90 C NT	1178	17.80 D NT	178	4.09 C NT	432	9.20 D NT	1249	13.98 C NT	1415	14.63 B NT	2299	16.81 B NT	1053	12.97 C Dom.	1110	12.72 C Dom.	713	.53 B
Lansing.....	1629	16.60 B NT	656	10.90 C NT	1203	17.80 D NT	200	4.49 C NT	441	9.43 D NT	1233	13.98 C NT	1337	14.84 B NT	2326	17.02 B NT	1119	13.10 C Dom.	992	12.72 C Dom.	646	.49 B
Harger (Saginaw).....	1704	16.60 B NT	722	11.39 C NT	1262	18.40 D NT	265	6.17 C NT	509	8.66 D NT	1284	14.24 C NT	1403	14.84 B NT	2367	17.02 B NT	1130	13.48 C Dom.	1055	13.10 C Dom.	686	.52 B
Traverse City.....	1744	16.40 NT	735	11.84 C NT	1348	18.80 D NT	312	6.65 C NT	568	10.12 D NT	1390	14.74 C NT	1556	14.63 B NT	2440	16.81 B NT	1198	13.73 C Dom.	1251	13.48 C Dom.	854	.58 B
<u>MINNESOTA</u>																						
Mankato.....	1185	12.60 B NT	868	11.97 C NT	1143	13.35 C NT	415	6.21 A NT	506	7.36 A NT	1532	15.23 C NT	1210	12.02 B NT	2079	14.55 B NT	1184	.75 C Dom.	1179	.75 C Dom.	-	-
Moorhead.....	1240	14.55 B NT	1129	13.35 A NT	1388	14.61 A NT	631	10.12 A NT	765	10.81 A NT	1791	16.61 A NT	1387	12.02 B NT	2201	14.55 B NT	1557	.83 C Dom.	1405	.83 C Dom.	-	-
St. Paul.....	1277	12.60 B NT	893	12.10 A NT	1192	13.60 A NT	394	6.21 A NT	523	7.36 A NT	1553	15.35 A NT	1254	12.02 B NT	2163	14.35 B NT	1201	14.72 NT	1228	14.72 NT	-	-
Wadena.....	1330	15.24 B NT	1045	12.85 C NT	1344	14.35 C NT	568	10.12 A NT	683	9.40 A NT	1713	16.24 C NT	1385	12.02 B NT	2199	14.55 B NT	1357	.82 C Dom.	1380	.81 C Dom.	-	-
Winona.....	1284	12.60 B NT	802	11.72 A NT	1190	13.60 A NT	287	5.29 A NT	463	6.21 A NT	1471	14.98 A NT	1343	12.12 B NT	2212	14.68 B NT	1132	.75 C Dom.	1077	.75 C Dom.	-	-

See page 21 for explanation of symbols.

Table 3. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A. (continued)

O R I G I N

Destination	Phosphate (acidulated, not ammoniated)												Potash (potassium) fertilizer				Nitrate of soda			
	Montpelier, Idaho		Sheffield, Alabama		Houston, Texas		Chicago, Illinois		E. St. Louis, Illinois		E. Tampa, Florida		Carlsbad, New Mexico		Troms, California		New Orleans Louisiana (Import)		Mobile, Alabama (Import)	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
<u>MISSOURI</u>																				
Capa Cirardaan.....	1470	17.69 B NT	276	7.06 A NT	677	11.06 C NT	374	8.45 C NT	125	2.94 C NT	936	12.22 A NT	1153	13.53 B NT	2077	14.55 B NT	566	.58 C NT	553	.55 C NT
Kansas City.....	1067	12.60 B NT	612	10.66 A NT	726	10.58 A NT	436	9.30 C NT	279	5.29 A NT	1256	13.97 A NT	812	12.02 B NT	1789	14.55 B NT	866	11.49 NT	857	11.49 NT
Macon.....	1174	13.00 B NT	547	9.88 A NT	827	12.13 C NT	329	8.10 C NT	170	3.81 C NT	1201	13.60 A NT	935	12.12 B NT	1936	14.68 B NT	855	11.49 NT	827	11.49 NT
Maryland Heights.....	1369	12.60 B NT	400	8.54 C NT	775	11.76 C NT	303	6.56 C NT	Swg. Dist.	5.29 C NT	1059	12.97 C NT	1096	12.02 B NT	2041	14.55 B NT	685	10.90 NT	684	10.90 NT
New Florence.....	1256	13.00 B NT	524	9.21 A NT	852	11.97 A NT	361	5.29 A NT	80	2.99 A NT	1116	13.23 A NT	1113	12.12 B NT	1873	14.58 B NT	763	11.49 NT	737	11.49 NT
Springfield.....	1393	13.00 B NT	429	9.03 A NT	659	10.91 C NT	529	9.82 C NT	243	5.46 C NT	1073	12.97 A NT	855	11.80 B NT	1899	14.55 B NT	673	.66 C NT	664	.66 C NT
St. Joseph.....	1090	12.60 B NT	677	10.96 A NT	779	11.04 A NT	498	9.30 C NT	308	7.45 C NT	1314	14.23 A NT	872	12.02 B NT	1852	14.55 B NT	923	11.49 NT	931	11.49 NT
<u>NEBRASKA</u>																				
Beatrice.....	912	12.60 B NT	772	11.59 A NT	847	11.85 C NT	564	10.30 C NT	433	9.11 C NT	1461	14.86 A NT	833	12.02 B NT	1690	14.55 B NT	1001	13.00 NT	1027	13.00 NT
Kearney.....	763	12.60 B NT	906	12.35 A NT	915	12.22 A NT	646	10.91 C NT	569	10.30 C NT	1597	15.61 A NT	893	12.02 B NT	1610	14.55 B NT	1094	.78 C Dom.	1151	.79 C Dom.
Omaha.....	960	12.60 B NT	794	11.59 A NT	909	12.22 A NT	477	9.66 C NT	417	8.92 C NT	1438	14.86 A NT	927	12.02 B NT	1796	14.55 B NT	1054	13.00 NT	1056	13.00 NT
Scotts Bluff	627	11.60 B NT	1162	13.35 A NT	1254	13.48 A NT	905	13.00 C NT	825	12.13 C NT	1853	16.61 A NT	993	12.02 B NT	1486	14.55 B NT	1434	.89 C Dom.	1407	.89 C Dom.
<u>NORTH DAKOTA</u>																				
Bismarck.....	1034	13.17 B NT	1286	14.10 C NT	1430	14.86 C NT	824	12.36 C NT	916	13.00 C NT	1939	17.37 C NT	1449	12.02 B NT	1907	14.55 B NT	1557	.87 C Dom.	1584	.90 C NT
Devils Lake.....	1204	14.03 B NT	1260	13.97 C NT	1510	15.23 C NT	774	11.90 C NT	910	13.00 C NT	1933	17.37 C NT	1505	12.02 B NT	1987	14.55 B NT	1588	.89 C Dom.	1581	.87 C Dom.
Minot.....	1086	13.34 B NT	1362	14.48 C NT	1531	15.35 C NT	864	12.59 C NT	992	13.51 C NT	2015	17.73 C NT	1526	12.02 B NT	2096	14.55 B NT	1666	.93 C Dom.	1656	.93 C Dom.

See page 21 for explanation of symbols.

Table 3. - Carload rail freight rates and distances on fertilizer raw materials from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A. (continued)

O R I C I N

Destination	Phosphate (acidulated, not ammoniated)												Potash (potassium) fertilizer				Nitrate of soda					
	Montpelier, Idaho		Sheffield, Alabama		Houston, Texas		Chicago, Illinois		E. St. Louis, Illinois		E. Tampa, Florida		Carlsbad, New Mexico		Trona, California		New Orleans, Louisiana (Import)		Mobile, Alabama (Import)		Baltimore, Maryland (Domestic)	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
<u>OHIO</u>																						
Alliance.....	1792	17.20 B NT	683	11.05 C NT	1274	16.40 D NT	372	8.51 D NT	551	10.12 D NT	1281	13.86 C NT	1620	15.50 B NT	2455	17.68 B NT	1116	13.23 C NT Dom.	998	12.72 C NT Dom.	387	.38 B
Dayton.....	1643	16.60 B NT	482	9.49 C NT	1073	16.60 D NT	280	5.69 C NT	347	8.28 D NT	1006	12.84 C NT	1419	14.84 B NT	2293	17.02 B NT	884	12.21 C NT Dom.	806	11.71 C NT Dom.	531	.45 B
Postoria.....	1658	16.60 B NT	580	10.45 C NT	1152	17.40 D NT	247	5.69 C NT	423	9.20 D NT	1114	13.35 C NT	1336	14.84 B NT	2359	17.02 B NT	1010	12.97 C NT Dom.	913	12.34 C NT Dom.	522	.44 B
Mt. Cilead.....	1711	16.60 B NT	-	10.29 C NT	-	17.20 D NT	-	5.69 C NT	-	9.20 D NT	1148	13.35 C NT	-	-	-	-	-	12.72 C NT Dom.	-	12.21 C NT Dom.	-	-
Maumee.....	1647	16.60 B NT	620	10.60 C NT	1165	17.40 D NT	225	5.29 C NT	422	9.20 D NT	1153	13.48 C NT	1492	14.84 B NT	2340	17.02 B NT	1027	12.97 C NT Dom.	939	12.47 C NT Dom.	548	.45 B
Woodlawn (Cincinnati).....	1643	16.60 B NT	427	9.11 C NT	1034	16.40 D NT	283	6.65 C NT	337	7.59 C NT	952	10.95 C NT	1409	14.84 B NT	2393	17.02 B NT	836	.54 C	739	.54 C	550	.45 B
<u>SOUTH DAKOTA</u>																						
Aberdeen.....	1178	14.03 B NT	1106	13.10 C NT	1274	13.97 A NT	662	11.06 C NT	736	11.49 C NT	1765	16.48 C NT	1270	12.02 B NT	2040	14.55 B NT	1396	.82 C Dom.	1422	.83 C Dom.	-	-
Huron.....	1096	14.20 B NT	1043	12.85 C NT	1195	13.60 C NT	626	10.76 C NT	673	11.06 C NT	1702	16.11 C NT	1190	12.02 B NT	2122	14.55 B NT	1326	.79 C Dom.	1343	.81 C Dom.	-	-
Sioux Falls.....	1092	12.60 B NT	938	12.48 A NT	1091	13.10 A NT	519	7.82 A NT	567	10.30 C NT	1596	15.61 A NT	1093	12.02 B NT	1932	14.55 B NT	1219	.75 C Dom.	1245	.75 C Dom.	-	-
<u>WISCONSIN</u>																						
Antigo.....	1592	14.20 B NT	832	11.85 A NT	1282	12.95 A NT	288	5.06 A NT	518	9.98 C NT	1465	14.98 A NT	1487	13.43 B NT	2432	15.61 B NT	1164	.71 C	1151	.71 C	1033	.75 D
Green Bay.....	1484	14.20 B NT	768	11.51 A NT	1232	13.85 A NT	207	4.14 A NT	458	9.30 C NT	1401	14.74 A NT	1401	13.43 B NT	2303	15.61 B NT	1114	.63 C	1061	.63 C	943	.67 B
Milwaukee.....	1448	14.20 B NT	655	10.90 C NT	1119	13.23 A NT	85	2.70 O NT	368	8.10 C NT	1288	14.24 C NT	1311	13.43 B NT	2175	15.61 B NT	1005	.62 C	1015	.62 C	850	.58 B
Prairie du Chien.....	1262	12.60 B NT	739	11.18 A NT	1147	13.35 A NT	235	5.46 C NT	369	8.45 C NT	1377	14.48 A NT	1372	12.12 B NT	2232	14.68 B NT	1036	.67 C	989	.67 C	993	.72 D
Superior.....	1411	14.20 B NT	1019	12.59 C NT	1340	14.35 C NT	461	9.49 C NT	656	10.91 C NT	1655	15.86 C NT	1594	13.31 B NT	2457	15.47 B NT	1318	.82 C	1263	.82 C	1160	.84 D
Whitewater.....	1398	14.20 B NT	671	10.81 A NT	1101	13.10 C NT	115	3.22 A NT	318	7.77 C NT	1303	14.23 A NT	1261	13.43 B NT	2125	15.61 B NT	1031	.65 C	975	.65 C	878	.59 B

Table 4 - Carload rail freight rates and distances on elemental phosphorus in tank cars, from important producing areas to cooperative fertilizer manufacturing plants in North Central Region.
 Rates shown are per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A.

O R I G I N

Destination	Columbia, Tennessee		Nichole, Florida		Sheffield, Alabama		Niagara Falls, New York		Montpelier, Idaho	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
E. St. Louis, Illinois.....	360	.68 O	1046	2.86 E	370	1.62 E	729	2.30 E	1344	1.74 A
Maryland Heights, Missouri.....	390	.83 O	1075	2.86 E	400	1.62 E	782	2.30 E	1369	1.74 A
Springfield, Missouri.....	524	1.90 E	1090	2.74 E	429	1.74 E	1030	2.70 E	1393	2.63 A
St. Joseph, Missouri.....	685	2.22 E	1331	3.30 E	677	2.22 E	951	2.66 E	1032	1.74 A
Omaha, Nebraska.....	777	2.42 E	1438	3.51 E	794	2.46 E	1023	2.74 E	960	1.74 A
Indianapolis, Indiana.....	343	1.58 E	1053	2.87 E	427	1.74 E	486	1.82 E	1532	2.68 A
Hartedale, Indiana	475	1.27 D	1189	1.27 D	561	2.01 E	505	1.86 E	1459	2.13 A
Dayton, Ohio.....	398	1.66 E	1006	2.82 E	482	1.82 E	387	1.62 E	1643	2.68 A
Saginaw, Michigan.....	638	1.52 D	1301	2.31 D	722	2.30 E	304	1.44 E	-	-
Prairie du Chien, Wisconsin.....	653	2.17 E	1379	3.43 E	739	2.30 E	760	2.17 E	-	-

See page 21 for explanation of symbols.

Table 5.- Carload rail freight rates and distances on crude sulphur (brimstone), unground, from important producing areas to cooperative fertilizer manufacturing plants in the North Central Region. Rates shown are in dollars per 100 pounds, unless otherwise noted, and are those in effect December 1, 1955, and do not include increases authorized in Ex Parte 196-A.

O R I G I N

Destination	Crude sulphur (brimstone) unground - min. weight 80,000 unless otherwise shown																	
	Clemens, Texas		Freeport, Texas		Galveston, Texas		Hoskins, Texas		Houston, Texas		Orchard, Texas		Port Sulphur, Texas		New Orleans, Louisiana		Worland, Wyoming	
	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate	Miles	Rate
East St. Louis, Illinois.....	835	.45	840	.45	826	.45	843	.45	778	.45	845	.45	738	.45	690	.45	1235	.47 ▲
Maryland Heights, Missouri.....	806	.45	813	.45	823	.45	814	.45	755	.45	816	.45	709	.45	662	.45	1262	.47 ▲
Springfield, Missouri.....	700	.40	721	.40	707	.40	728	.40	659	.40	730	.40	873	.40	673	.40	1188	.77
St. Joseph, Missouri.....	840	.45	842	.45	827	.45	848	.45	779	.45	850	.45	983	.45	906	.45	910	.47 ▲
Omaha, Nebraska.....	970	.59	968	.59	957	.59	978	.59	909	.59	980	.59	1111	.59	1063	.59	818	.47 ▲
Indianapolis, Indiana.....	1024	.47	1022	.47	1012	.47	1032	.47	963	.47	1034	.47	910	.47	862	.47	1372	.79
Hartsdale, Indiana.....	1186	.47	1110	.47	1068	.47	1194	.47	1020	.47	1196	.47	938	.47	890	.47	1311	.68
Dayton, Ohio.....	1134	.47	1132	.47	1122	.47	1142	.47	1073	.47	1144	.47	932	.47	884	.47	1508	.83
Saginaw, Michigan.....	1323	.55	1321	.55	1310	.55	1331	.55	1262	.55	1333	.55	1175	.55	1127	.55	1550	.84

See page 21 for explanation of symbols.

Explanation of Symbols:

A - 100,000 pounds minimum.
 B - 80,000 " "
 C - 60,000 " "
 D - 40,000 " "
 E - 24,000 " "
 O - 90,000 " "

Dom - Domestic rate

NT - Net Ton

GT - Gross Ton

1/ No cooperatives fertilizer plant at this point.

Tariff Authority: -	C. A. Spaninger, Agt., SFTB	840-B	ICC 1433
	" "	853	" 1366
	" "	735-A	" 882
	" "	392-E	" 1221
	" "	91-27-E	" B-3232
	W. J. Preuter, Agt. WTL	W434-C	" A-4118
	" "	W1000	" A-3929
	" "	W/S1001	" A-3930
	" "	18-T	" A-3991
	" "	50-T	" A-3790
	" "	120-J	" A-4123
	" "	1032	" A-3946
	" "	1030	" A-3944
	" "	134-N	" A-3973
	" "	5-W	" A-3910
	R. G. Raasch, Agt., IPA	30-H	" 827
	" "	37-F	" 799
	" "	50-A	" 563
	" "	1002	" 757
	" "	54-I	" 804
	" "	I/S-1003A	" 797
	" "	I-2002-B	" 846
	F. C. Kratzmeir, Agt., SWL	SW/S 1007	" 3978
	" "	SW/E 1005	" 3998
	" "	SW/W 1006	" 3999
	" "	273-A	" 4112
	" "	102-W	" 3862
	H. R. Hinsch, Agt., CTR	400-R	" 4430
	" "	100-B	" 4236
	" "	E-2009-A	" 4662
	" "	33-F	" 825
	" "	483	" 2447
	" "	E-1009	" A-948
	" "	E-2009-A	" 4662
	" "	E/W 1010	" 4488

H. M. Engdahl, Agt., Southern Ports 1023-C ICC 112
 C. A. Boia, Agt., TL E/S-1008 " A-946

C&NW	8115-R	ICC 11219
CRI&P	31324-L	" C-13360
AT&ST	15169-F	" 14478
N&W	39-J	" 9548
CBQ	6100-Q	" 20428
IC	10345-P	" A-11764
CMStP&P	15083-K	" B-7815
Web.	19400-C	" 7758
C&O	227-P	" 13168
Un. Pac.	6044-F	" 5415

All freight charges subject to 3 percent Federal transportation tax.



